

## HEALTH AND SAFETY REGULATIONS IN GUT PHYSICS LABORATORIES

1. Do not switch on the power source before the person supervising the exercise has checked the connections.
2. Extreme caution should be taken when performing exercises requiring high voltage sources. All preparatory activities (connecting, disconnecting the circuit) should be performed only when the power supply is off.
3. If you notice any irregularities in the operation of the electrical circuit (sparking, the smell of overheated cables, the deflection of the instrument's hand outside the scale range) immediately turn off the circuit power and notify the supervisor.
4. Protect eyes and skin from laser radiation.
5. Exercise caution when taking measurements at elevated temperature (heating oil, water). Do not exceed the temperature specified in the instruction manual or indicated by the supervisor. Do not allow hot liquids to spill.
6. Pay attention to heavy and sharp objects (balls, weights, metal hoops, crosses, wires) that may cause injury if dropped or torn off.
7. **Report to the supervisor any observed irregularities in the operation of exercises.**
8. For exercises containing radioactive isotopes:
  - there is an absolute ban on eating;
  - avoid directing the beam of radiation directly on the body parts;
  - avoid touching the collimator area;
  - during the exercise, stand as far as possible from the source of radiation;
  - runcover the collimator only for the duration of measurements.
9. In the Isotopic Laboratory Kl. Z (room number 19):
  - activation of Indium in the room for the Pu-Be source should only be performed by the supervisor;
  - activated Indium isotope should be removed with tweezers and transferred in a special container intended for this purpose.
10. Before entering the Laboratory, all large outerwear, backpacks, bags and other similar items should be left in the GUT locker room.
11. It is forbidden to eat or drink in the Laboratory.